

PL/SQL PROCEDURE (Experiment - 8)

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AIM:

To write a pl/sql procedure for the given question.

QUESTION:

1)Write a PL/SQL procedure to calculate the incentive achieved according to the specific sale limit.

CODE:

```
DECLARE
PROCEDURE test1 (sal_achieve NUMBER)
IS
    incentive NUMBER := 0;
BEGIN
    IF sal_achieve > 60000 THEN
        incentive := 1800;
    ELSIF sal_achieve > 40000 THEN
        incentive := 800;
    ELSE
        incentive := 500;
    END IF;
    DBMS_OUTPUT.NEW_LINE;
    DBMS_OUTPUT.PUT_LINE (
        'Sale achieved : ' || sal_achieve || ', incentive : ' || incentive || '.'
    );
END test1;
BEGIN
    test1(90000);
    test1(55000);
    test1(25000);
END;
```

OUTPUT:

```
Statement processed.  
Sale achieved : 90000, incentive : 1800.  
Sale achieved : 55000, incentive : 800.  
Sale achieved : 25000, incentive : 500.
```

2)Write a PL/SQL program to check whether a number is prime number or not

CODE:

```
declare  
    n number;  
    i number;  
    flag number;  
  
begin  
    i:=2;  
    flag:=1;  
    n:= 3;  
  
    for i in 2..n/2  
    loop  
        if mod(n,i)=0  
        then  
            flag:=0;  
            exit;  
        end if;  
    end loop;  
  
    if flag=1  
    then  
        dbms_output.put_line('prime');  
    else  
        dbms_output.put_line('not prime');  
    end if;  
  
end;
```

OUTPUT:

THE GIVEN NUMBER IS 3.

```
Statement processed.  
prime
```

THE GIVEN NUMBER IS 4.

```
Statement processed.  
not prime
```

RESULT:

The PL/SQL procedure program for the given questions have been successfully executed.